



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/387,654	08/31/1999	MICHEL K. BOWMAN-AMUAH	AND1P275	2844
29838	7590	03/29/2004	EXAMINER	
OPPENHEIMER WOLFF & DONNELLY, LLP (ACCENTURE)			FISHER, MICHAEL J	
PLAZA VII, SUITE 3300			ART UNIT	
45 SOUTH SEVENTH STREET			PAPER NUMBER	
MINNEAPOLIS, MN 55402-1609			3629	

DATE MAILED: 03/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/387,654

Applicant(s)

BOWMAN-AMUAH, MICHEL K.

Examiner

Michael J Fisher

Art Unit

3629

mf

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grewal et al. (Grewal) in view of Nordstrom et al. (Nordstrom).

As to claims 1,2,13 and 14, Grewal discloses a system for batching information (claim 1) that batches messages (in different queues, Linkset-1, Linkset-0 as discussed in the abstract), which messages could be a group of business objects as the system could be used by a business, the messages are distributed according to a protocol (last sentence of abstract) and further, the system correlates information about the messages and delivers them according to the protocols, (message number or timer threshold as discussed in the abstract).

Grewal doesn't, however, teach batching the files into logically related requests so as to send a single network message with a parent batch and a dependent batch or verifying that the various messages do not change in response to a change of another message.

It would have been obvious to one of ordinary skill in the art to modify the structure as disclosed by Grewal by making sure that changes to one message do not change another message to ensure that incorrect messages are not sent.

Nordstrom discloses an interrupt and message batching method (title), that would inherently have a parent batch and a dependent batch as Nordstrom discloses batching messages together (claim 1).

It would have been obvious to one of ordinary skill in the art to modify the system as disclosed by Grewal by batching messages as Grewal discloses holding messages in queue until a message number threshold is reached (abstract).

As to claims 3 and 15, Grewal further discloses batching logically related requests, as discussed in relation to the various Linksets, unbundling them upon receipt (claim 1, message distribution), and further, it would be inherent that the messages would have an action associated with them and that they would be responded to.

As to claims 4 and 16, Grewal discloses providing a group of business objects necessary for a transaction (the reason for the messages), creates a receiver that communicates with the business objects (the service controller), and the messages would inherently be forwarded to the recipient intended.

As to claims 5 and 17, Grewal discloses grouping the messages according to parameters (for transmission over the various Linksets), using different weighting criteria (message number or timer threshold) and batching them into a message.

As to claims 6 and 18, Grewal discloses using the system in order to avoid interference between messages (abstract), the limitations of claim 6 are further well-known in the art as "queuing theory" and are used in any time-specific project that has interlocking steps, some of which are required before the next step can be done.

Art Unit: 3629

As to claims 7-11, Grewal discloses using a computer for the process and therefore it would inherently use code to achieve the process, further, it would be inherent that the batch requests would be unbundled so as to be able to be read.

As to claim 12, the message would be changed upon completion of the task assigned.

Response to Arguments

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 3629

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J Fisher whose telephone number is 703-306-5993. The examiner can normally be reached on Mon.-Fri. 7:30am-5:00pm alt Fri. off.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MF

3/22/04

JOHN G. WEISS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600